State of Montana
Livestock

Agency IT Plan
Fiscal Year 2012-2017

May 2012

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EXECUTIVE SUMMARY

The Department of Livestock's mission is to prevent, control, and eradicate animal diseases; prevent the transmission of animal diseases to humans; protect livestock industries from theft and predatory animals; assure clean, wholesome, and properly-labeled meat and poultry products; regulate and inspect the milk industry, and monitor and regulate the horse racing industry.

SECTION 1: AGENCY ADMINISTRATIVE INFORMATION

Role: Plan Owner

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Role: IT Contact

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Role: IT Contact (Alternate)

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Role: Information Security Manager (ISM)

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IT Inventory

The IT inventory database located at http://mine.mt.gov/enterpriseitinventory was or will be updated on April 30, 2012 As required by MCA 2-17-524(3)(c) the plan will be updated by June 30th, 2012.

SECTION 2: AGENCY IT MISSION

The Department of Livestock's Information Technology mission is to provide and implement cost-effective information technology with available resources to assist in providing services to the livestock industry, Montana veterinarians and to the general public and in assisting Department of Livestock employees in the day to day operations of their jobs.

Information Security Management (ISM) Program General Description

The *Department of Livestock* has implemented a department-wide information security management program compliant with §2-15-114, MCA and State Information Technology Systems Division *Information Security Programs* policy with adoption of the National Institute of Standards and Technology (NIST) Special Publication 800 series as guides for establishing appropriate security procedures. This is in alignment with the State of Information Technology Service's direction for an enterprise approach to protect sensitive and critical information being housed and shared on State and/or external/commercial information assets or systems.

As described in NIST SP 800-39, the agency has developed and adopted the Information Risk Management Strategy to guide the agency through information security lifecycle architecture with application of risk management. This structure provides a programmatic approach to reducing the level of risk to an acceptable level, while ensuring legal and regulatory mandates are met in accordance with MCA §2-15-114.

The agency's program has four components, which interact with each other in a continuous improvement cycle. They are as follows:

- Risk Frame – Establishes the context for making risk-based decisions
- Risk Assessment – Addresses how the agency will assess risk within the context of the risk frame; identifying threats, harm, impact, vulnerabilities and likelihood of occurrence
- Risk Response – Addresses how the agency responds to risk once the level of risk is determined based on the results of the risk assessment; e.g., avoid, mitigate, accept risk, share or transfer
- Risk Monitoring – Addresses how the agency monitors risk over time; "Are we achieving desired outcomes?"

The agency's information security management program is challenged with limited resources; manpower and funding. While alternatives are reviewed and mitigation efforts are implemented the level of acceptable risk is constantly challenged by the ever changing technology and associated risks from growing attacks and social structure changes. When vulnerabilities have been identified which require restructure, new equipment, or personnel positions (funds increase), they will be addressed as they arise.

Continuity of Operations (COOP) Capability Program General Description

The Department of Livestock is not currently joined with the Department of Administration *Continuity Services.* We anticipate to begin work with DoA Continuity Services by August 2013 and to have all phases and blocks completed within two years of starting.

Future COOP Program Plans

Start development of COOP with DoA Continuity Services.

Goal Number 1:

IT Goal 1   Migrate legacy platform systems and applications to a State standard platform.

Description: The department has approximately 2 legacy DOS systems remaining to migrate to an Oracle or SQL Server platform. There are also several applications operating on the Oracle 9i database which is no longer supported by Oracle.

Benefits: Moving applications to a State standard will allow for better support and maintenance and eliminate duplication of effort with system and application data entry and maintenance. The Department, the livestock community, veterinarians and the general public would benefit from this goal.

This goal supports the state IT goals of Developing IT Resources in an Organized, Deliberate and Cost-Effective Manner by reducing costs and duplication of effort, developing more efficient systems, including testing and quality assurance and continuous strategic planning for improving systems and applications and Improve Government Services by providing new services more efficiently and effectively.

Supporting Objective/Action

Objective 1-1   Replace the Meat Inspection program

The DOS based Meat Inspection application is quite old, difficult to maintain, not very flexible with changes, and runs into compatibility issues with the newest operating systems.

The benefits of completing this goal will be the new application that is easier to maintain, much more flexible with changes, and much more compatible with new technologies. And easier to retrieve data out.

The risk of inaction is continuing with an application that is out of compliance with the state standard. Risk of incompatibility with new technologies such as operating systems, and peripherals. And difficult to change.

Risk with achieving this goal: costs, time, turnover

This action is scheduled to be completed by July 2012.

This goal will be achieved when the new application is installed and in use.

Supporting Objective/Action

Objective 1-2   Replace the brands Shipper/Owner program

The DOS based Brands Shipper/Owner application is quite old, difficult to maintain, not very flexible with changes, and runs into compatibility issues with the newest operating systems.

The benefits of completing this goal will be the new application that is easier to maintain, much more flexible with changes, and much more compatible with new technologies. And easier to retrieve data out.

The risk of inaction is continuing with an application that is out of compliance with the state standard. Risk of incompatibility with new technologies such as operating systems, and peripherals. And difficult to change.

Risk with achieving this goal: costs, time, turnover

This action is scheduled to be completed by December 2013.

This goal will be achieved when the new application is installed and in use.

Supporting Objective/Action

Objective 1-3   Update Oracle 9i applications to Oracle 11g

There are several applications coded with Oracle Forms and Reports 6i that operate on the Oracle 9i database.

The benefits of completing this goal will be having the database for these applications on a supported platform. For both the operating system and the database. The OS is AIX5.3 and is out of support also. Another benefit would be able to release the license on the 9i database and to not have to pay for two Oracle licenses.

The risk of inaction is continuing with an application that is out of compliance with the state standard and out of support. If a required new technology or a required hardware change occurs on the database server it may result in the database not being able to function which in turn would cause the applications to cease to operate.

Risk with achieving this goal: costs, time, and turnover.

Application using this database are:

    Laboratory Information Management System (LIMS)

    Cattle Inspection

    Horse Inspection

    Lifetime Inspection

    Milk Licensing and Milk sv30 lab system

    Milk Control

    Accounting Invoicing

    Montana Beef Council

This action is currently not scheduled with a completion date.

This goal will be achieved when the applications are operating on Oracle database 11g.

Supporting Objective/Action

Objective 1-4   Upgrade and/or replace Laboratory Information Management System (LIMS)

The LIMS was developed using Oracle Forms and Reports 6i on Oracle Database 9i. Of which both are out of support. The 9i database also resides on an AIX 5.3 server, which is also out of support. A LIMs is available off the shelf for a base cost of $133,000. This base system would also include the accounting and invoicing system that needs upgrading and a web portal for submitters to retrieve lab reports.

The benefits of completing this goal will be having the database and application for the LIMS on supported platforms.

The risk of inaction is continuing with an application that is out of compliance with the state standard and out of support. If a required new technology or a required hardware change occurs on the database server, application server, or desktop computer it may result in the LIMS not being able to function. The LIMs is a critical piece of software for the department and the State of Montana.

Risk with achieving this goal: costs, time, and turnover.

This action is currently not scheduled with a completion date.

This goal will be achieved when the LIMS has been upgraded to the state standard and in use.

Supporting Objective/Action

Objective 1-5   Upgrade and/or replace the Milk sv30 lab and licensing system

The Milk licensing and sv30 lab results was developed using Oracle Forms and Reports 6i on Oracle Database 9i. Of which both are out of support. The 9i database also resides on an AIX 5.3 server, which is also out of support. We have been unable to find an off the shelf product for this business requirement. The current system is clunky to use and not very flexible with the changing Dairy industry

The benefits of completing this goal will be having the database and application for the Milk system on supported platforms and have it able to adapt to the changing dairy industry.

The risk of inaction is continuing with an application that is out of compliance with the state standard and out of support. If a required new technology or a required hardware change occurs on the database server, application server, or desktop computer it may result in the LIMS not being able to function. The Milk system is a critical piece of software for the department and the State of Montana.

Risk with achieving this goal: costs, time, and turnover.

This action is currently not scheduled with a completion date.

This goal will be achieved when the Milk system has been upgraded to the state standard and in use.

Goal Number 2:

IT Goal 2   **Inter-agency data sharing and exchange**

Description: As several of the legacy DOS systems have been migrated and two more to migrate, the department will be identifying areas where data can be shared and/or exchanged with other identified state agencies in order to eliminate duplication and improve efficiency between divisions and agencies.

Benefits: This would provide time and cost savings by eliminating duplication of effort between the Department and other involved state agencies. The Department, other state agencies, the livestock community, veterinarians and the general public would benefit from this goal.

This goal supports the state IT goals of Developing IT Resources in an Organized, Deliberate and Cost-Effective Manner by reducing costs and duplication of effort, developing more efficient systems, including testing and quality assurance and continuous strategic planning for improving systems and applications and Improve Government Services by providing new services more efficiently and effectively.

Supporting Objective/Action

Objective 2-1   Share lab results with FW&P

FW&P has requested that lab results from Livestock diagnostic Lab, from submissions that FW&P have made, be sent electronically in an XML or csv file for import into FW&P's system.

The benefit of this objective to reduced labor costs for FW&P and Livestock providing a better service for FW&P.

The risk of inaction would be a continued labor cost for FW&P on data entry and Livestock's service to remain the same. The risk of action could be FW&P receiving lab results that do not belong to them or not receiving all results that do belong to them.

This action currently has no scheduled completion date.

The objective will be completed when FW&P has successfully accepted data from Livestock and able to import into their system.

Supporting Objective/Action

Objective 2-2   Per Capita fees verification with Revenue

There currently is no verification of per capita fees paid on Livestock and other creatures that require fees.

The goal of this objective is to cross check reported livestock numbers against Livestock sold and moved. If more livestock were sold or moved than were reported that would raise a flag for an investigation into proper per capita fee payments.

The benefit of this action would be an increase of funds to the department of Livestock.

The risk of inaction would be a continued lack of funds for the department and for the honest Livestock owners to continue paying for the dishonest ones. There is also the risk of per capita fees being raised to keep up with increased costs.

The risk of action may be most Livestock owners have been honest and the funds increase may be negligible. Another risk may be a requirement to hire a FTE to investigate the anomalies between the reports. A third risk may require the Department of Livestock to be more involved with the notification and collection of the per capita fees.

This action is scheduled to be completed by December 2012

This objective will be achieved when reports from revenue can be compared with reports from Livestock.

Goal Number 3:

IT Goal 3   **Provide more accessible services for the livestock industry, veterinarians and the general public with efficient use of information technology resources.**

Description: As several of the legacy DOS systems have been migrated and two more to migrate, the department will identify functions in these systems that could be provided as services via the Internet.

Benefits: Providing these services via the Internet would be more accessible to the livestock community, veterinarians and the general public.

This goal supports the state IT goal of Improve Government Services by providing more accessible services to the livestock community, analyzing trends and changes in the livestock industry and responding to their needs for more accessible services, and providing services via the Internet.

Supporting Objective/Action

Objective 3-1   Lab fees payment terminal

Description: The lab fees are currently paid by mailing invoices and receiving the payments by mail. This process is slow and restrictive to the type of payment that can be made. We want to make a web payment terminal available.

The benefits of completing this objective will be a better service to veterinarians and others who use the Diagnostic Laboratory. It will make credit cards, debit cards, and echecks as an option to pay their lab fees. It will make the payment process faster, easier, and assist those who struggle with making their payments on time.

The risk of inaction is continuing with an invoice payment system that is slow and restrictive and for users of the lab to complain about the payment system. Risk with achieving this goal: costs, time, turnover, and a risk of receiving credit card numbers, debit card numbers and checking account numbers.

This action is scheduled to be completed by August 2013.

This goal will be achieved when payments are processed on the web terminal.

Supporting Objective/Action

Objective 3-2   Lab results available online

Description: Lab results are currently only available via fax, mail, email, or directly picked up at the lab. We want to have a web portal where submitters may log into and view lab results for submissions they

have made.

The benefits of completing this objective will be a better service to veterinarians and others who use the Diagnostic Laboratory. It will make results more accessible for the users of the lab and would reduce labor cost for the lab in reducing the effort to resend lab reports.

The risk of inaction is continuing with the current level of service which may result in complaints from users of the lab about accessing their results online. Risk with achieving this goal: costs, time, turnover, and a risk of confidential and personal identifiable information being made available online which if compromised could be stolen.

This action is currently not scheduled

This goal will be achieved when lab results are available through a portal online.

Goal Number 4:

IT Goal 4   Review and Document IT Policies and Procedures

Description: Review and update IT policies and procedures. Develop IT policies and procedures that are missing.

Supports Business Requirement: This goal supports the agency mission to provide cost-effective, efficient services to the livestock community, veterinarians and the general public.

Supports/Implements State IT Goal: Improve Government Services

Supporting Objective/Action

Objective 4-1   Annually review IT policies and procedures

Description: To annually review and update IT policies and procedures, and to document that this review process did occur.

Benefits: This would provide for an efficient method to establish, update, and review the departments IT policies and procedures. This will assist in keeping the department's information technologies up to state standards and in compliance with national standards.

Risk of inaction: IT policies that are behind the time and do not take into account new technologies and techniques that are available.

Risk of action: Time and cost. May result in identifying risks that will require funds and time to rectify.

Supporting Objective/Action

Objective 4-2   Disaster Recovery and COOP

Description: Develop and implement an IT Disaster Recovery Plan and incorporate it into the agency's Business Continuity Plan and participate in Disaster Recovery functions

Benefits: This would provide for established and efficient procedures in the event of a disaster; Faster recovery of department critical functions and systems. The Department, the livestock community, veterinarians and the general public would benefit from this goal.

Supports/Implements Agency Goal or Requirement: This supports the agency mission to provide cost-effective, efficient services to the livestock community, veterinarians and the general public.

Goal Number 5:

IT Goal 5   IT Training

Description: IT training for the IT staff. Information technologies are constantly changing and the IT staff needs training to keep up on new technologies that will benefit the department. This may be in the form of a formal classroom with a live teacher, an online class with a live teacher, an online video or class, a DVD, seminars, or conferences.

Supports Business Requirement: Will keep IT staff educated on new technologies and what is available for solving department's business requirements with technology.

Supports/Implements State IT Goal: Improves government services.

Supporting Objective/Action

Objective 4-1   Attend classes, seminars, and conferences

Description: Attend a live class in a classroom setting.

Benefits: Would educate the IT staff

Risk of inaction: Ignorant IT staff.

Risk of Action: Cost and time. Some classes may prove to be not worth it. Time away from work to receive training.

There will never be a completion time with this, but an always ongoing action, but will need to be taken advantage of when schedule, time, and funds permit.

Supporting Objective/Action

Objective 4-2   Online training

Description: Take time to do training that is available on-line and could take at the persons own pace. Such as the Group Policy training that is available online.

Benefits, risks and completion will be same as Objective 4-1.

Supporting Objective/Action

Objective 4-3   Train users on recognizing viruses, hoaxes, scams, and phishing. Also train users on basic and proper computer use and etiquette.

Description: Train the users in the department on how to recognize and avoid viruses, hoaxes, scams, and phishing that presents itself to users on the computer. This may be a class, or one-on-one, or a video on DVD.

Benefits: May result in a more IT savvy employees that would recognize viruses, hoaxes, scams, and phishing and know how to respond to them.   The users would also know the basic and proper use of the It equipment. This would save labor costs for the IT staff.

Risk of inaction: More labor time for the IT staff in restoring and recovering infected IT equipment and the possibility of confidential information or personal identifiable information being released to an unscrupulous person.

Risk of action: Time away from work to receive training and cost to attend classes.

There will be no completion time for this objective but will be an ongoing action, especially for new employees.

SECTION 5: IT INITIATIVES (FY2012 – FY 2017)

Initiative 1   Brands Shipper\Owner replacement

Description: We are currently in the process of replacing the Brands livestock inspection program that is located at each of the 13 markets in the state. Six markets have already received the new application. Seven more are still to be done and are waiting for funds.

EPP Number: NA

Initiative 2   Web portal for lab results

Description: A web portal for lab specimen submitters to retrieve their lab reports. Some of the off the shelf LIMS already handle such a requirement.

EPP Number: NA

Initiative 3   Meat Inspection rewrite\replacement

Description: The Meat Inspection application is in desperate need of replacement and/or upgrade. It is currently a DOS based application written in Clipper using and old DB2 database. An in-house re-write using C# and Oracle database 11g is currently in process.

EPP Number: NA

Initiative 4   Milk sv30 and licensing rewrite\replacement

Description: The Milk sv30 lab results and licensing system was developed in Oracle Forms and Reports 6i on Oracle 9i database. Both of which are out of support. The system is also clunky to use and has been inflexible with the changing dairy industry

EPP Number: NA

Initiative 5   Laboratory Information Management System

Description: The LIMS system was developed in Oracle Forms and Reports 6i on Oracle 9i database. Both of which are out of support. The laboratory diagnosis's animal diseases for the State of Montana and this system tracks as samples submitted to lab and their results. This system needs to be able to recognize and report the reportable diseases, generate statistical reports, and track the resources used and all reports that have been reported out. There are several veterinary LIMS available on the market and it is recommended to seek one of these off the shelf products and have some customizations made to it.

EPP Number: NA

Initiative 6   Laboratory shipping system

Description: The Veterinary Diagnostic Laboratory has had issues with lost lab samples shipped to the lab via United States Postal Service. We seek to have an account with a private shipping company for veterinarians to use for shipping samples to the lab. We would require a software system to track these shipping costs and invoice these costs back to the submitters on a monthly basis. Some of the off the shelf LIMS systems can already handle such a requirement.

EPP Number: NA

Initiative 7   Upgrade applications developed using Oracle Forms and Reports to C# and from
                          Oracle 9i to Oracle 11g.

Description: Several applications were coded using Oracle Forms and Reports 6i on an Oracle 9i database.

Both of the platforms are out of support. Also the Oracle 9i database resides on an AIX 5.3 operating system, of which is also out of support. These application need to be upgraded to newer versions. The following applications need upgrading:

Laboratory Information Management System (LIMS)

Cattle Inspection

Horse Inspection

Lifetime Inspection

Milk Licensing and Milk sv30 lab system

Milk Control

Accounting Invoicing

Montana Beef Council

EPP Number: NA

SECTION 6: ENTERPRISE ALIGNMENT

Communities of Interest Participation

☐ Government Services

☐ Public Safety

☐ Human Resources

☐ Environmental

☐ Education

☐ Economic

☐ Cultural Affairs

☐ Finance

SECTION 7: PLANNED AGENCY IT EXPENDITURES

Expense Category	FY2012		FY2013		FY2014		FY2015		FY2016		FY2017
Personal Services											
Operating Expenses	9000		9000		40000		40000		30000		30000
Initiatives	113000		113000		380000		18000		80000		80000
Other expenditures											
Totals	0		0		0		0		0		0

It is difficult to know exactly what initiatives will be handled in Fiscal years 16 and 17. So loosely based on what we have done in the past and the plans for fiscal year 13 and 14 I made estimate values.

SECTION 8: ADDITIONAL INFORMATION - OPTIONAL

Other types of information that support the agency's IT Plan. Some examples might include other COI participation, reference to other IT plans such as GIS plan, eGovernment plan, security plan, staffing issues and constraints, etc.

The IT section continues to operate with an IT staff of three. With over 100 computers, about 144 users, about15 applications, and 2 internal servers and 4 servers with ITSD to support, this puts a fairly heavy workload on the IT staff. Considering this circumstance and the very small budget to work with we feel as though we do a decent job.

ENTERPRISE IT INVENTORY

Survey Summary for Department of Livestock on 4/24/2012

AGENCY CONTACT INFORMATION

First Name	Last Name
James	Newhall

Phone	EMail
406-994-6372	jnewhall@mt.gov

Last access to this system
4/24/2012 10:57:38 AM

Special Instructions
Secondary contact is Conrad Flynn @ 444-3724

AGENCY LOCATION INFORMATION

Location Name	City	Address	Room	Sq Feet
Marsh Lab	Bozeman	S 19th and Lincoln		400

Comments	HVAC	Fire Supp	Cond Power	Backup Power	Controlled Access	
Smart UPS Backup Power Halon Fire Extinguisher in the room	☐	☑	☑	☐	☑	1 Server (Data Center)

Location Name	City	Address	Room	Sq Feet
Data Center	Helena			

Comments		Fire HVAC	Cond Supp	Backup Power	Controlled Power	Access	
ITSD Hosting the server		☐	☑	☑	☑	☑	**4 Servers** (Data Center)

Location Name	City	Address	Room	Sq Feet
Scott Hart Building	Helena	301 N Roberts	IT Office	0

Comments		Fire HVAC	Cond Supp	Backup Power	Controlled Power	Access	
Windows Server 2008R2 file server		☐	☐	☑	☐	☑	**1 Server** (Data Center)

AGENCY SERVER INFORMATION

Location	Server Name	Manufacturer	Model	Type	
Marsh Lab	LIVBZMLAB004	IBM	X345	Physical - Traditional	**2 Applications**

OS	CPUs	Virtual Servers	RAM	Disk	NICs	SAN
Microsoft Windows Server 2008 R2 (64-bit)	2	0	4G	72G	1	☐

Install Date	Orig Cost	Expected Replacement Date	Comments
7/1/2010	$6,700	7/1/2015	Includes Tape drive, enclosure, drives, drive enclosure, power supply and all PCI cards

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Location	Server Name	Manufacturer	Model	Type	
Scott Hart Building	LIVHELENA			Physical - Traditional	**15 Applications**

OS	CPUs	Virtual Servers	RAM	Disk	NICs	SAN
Microsoft Windows Server 2008 R2 (64-bit)		0	G	G		☐

Install Date	Orig Cost	Expected Replacement Date	Comments
3/1/2012	$6,700	7/1/2017	

Location	Server Name	Manufacturer	Model	Type			2 Applications
Data Center	LIVPRD			Virtual			

OS		CPUs	Virtual Servers	RAM	Disk	NICs	SAN
AIX 7		0	0	0	0	0	☐

Install Date	Orig Cost	Expected Replacement Date	Comments
	$0		Hosted by ITSD. LIVPRD1 is the name of the database.

Location	Server Name	Manufacturer	Model	Type	11 Applications
Data Center	LIVPRD1				

OS		CPUs	Virtual Servers	RAM	Disk	NICs	SAN
AIX Previous Ver				G	G		☐

Install Date	Orig Cost	Expected Replacement Date	Comments
			AIX 5.3. ITSD is hosting this server. It has our Oracle database on it. LIVPRD1 is the name of the database.

Location	Server Name	Manufacturer	Model	Type			2 Applications
Data Center	svcalt			Virtual			

OS		CPUs	Virtual Servers	RAM	Disk	NICs	SAN
Microsoft Windows Server 2003, Standard Edition (64-bit)		0	0	0	0	0	☐

Install Date	Orig Cost	Expected Replacement Date	Comments
	$0		Application server for USAHerds and Brands. I am unsure of the exact Windows version.

Location	Server Name	Manufacturer	Model	Type			1 Application
Data Center	USAHerds SQL Server			Virtual			

OS		CPUs	Virtual Servers	RAM	Disk	NICs	SAN
AIX 7		0	0	0	0	0	☐

Install Date	Orig Cost	Expected Replacement	Comments
	$0		SQLServer database server.

AGENCY APPLICATION INFORMATION

Application	Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Accounting System	**LIVHELENA** **LIVPRD1**		

Type
Database

Division
Centralized Services

Users	Age	Public Access	Web Access	State Critical		Agency Critical	BIA	Disaster Plan
3	Obsolete	☐	☐	Affects Collection/Generation of Vital Revenue		High	☐	☐

Comments
Oracle 9i database and Oracle Forms and Reports 6i

Application	Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Aerial Hunting System	**LIVHELENA**		

Type
Database

Division
Brands

Users	Age	Public Access	Web Access	State Critical		Agency Critical	BIA	Disaster Plan
1	Mature	☐	☐	Affects Non-Critical Public Services		Low	☐	☐

Comments
MS Access

Invalid or incomplete Server/Host data

Application	Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Beef Council System	**LIVHELENA**		

Type
Database

Division
Centralized Services

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
1	**Obsolete**	☐	☐	**Affects Collection/Generation of Vital Revenue**	**Low**	☐	☐

Comments
Oracle 9i database and Oracle Forms and Reports 6i

Invalid or incomplete Server/Host data

Application
Brands

Primary Server(s)   **Backup Server(s)**   **Non-Agency Hosts**

LIVPRD   **ITSD-DOA**
svcalt

Type
Database

Division
Brands

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
70	**New**	☐	☐	**Affects Non-Critical Public Services**	**High**	☐	☐

Comments

Invalid or incomplete Server/Host data

Application
Cattle Inspection System

Primary Server(s)   **Backup Server(s)**   **Non-Agency Hosts**

LIVHELENA   **ITSD-DOA**
LIVPRD1

Type
Database

Division
Brands Enforcement

Users	Age	Public Access	Web Access	State Critical		Agency Critical	BIA	Disaster Plan
4	Obsolete	☐	☐	Affects Non-Critical Public Services		High	☐	☐

Comments
Oracle 9i database and Oracle Forms and Reports 6i

Application		Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Dealer Licensing		LIVHELENA		

Type
Custom

Division
Brands

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
2	Mature	☐	☐		Med	☐	☐

Comments
MS Access

Application		Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Deputy Vets System		LIVHELENA LIVPRD1		

Type
Database

Division
CSD

Users	Age	Public Access	Web Access	State Critical		Agency Critical	BIA	Disaster Plan
1	Obsolete	☐	☐	Affects Non-Critical Public Services		Med	☐	☐

Comments
Oracle 9i database and Oracle Forms and Reports 6i

Application
Egg Licensing System

Primary Server(s)
LIVHELENA
LIVPRD1

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Milk and Egg

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
2	Obsolete	☐	☐	Affects Public Safety and Health	Med	☐	☐

Comments
Oracle 9i

Application
Horse Inspection System

Primary Server(s)
LIVHELENA
LIVPRD1

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Brands

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
3	Obsolete	☐	☐	Affects Non-Critical Public Services	High	☐	☐

Comments
Oracle 9i

Application
Horse Racing System

Primary Server(s)
LIVHELENA
LIVPRD1

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
CSD

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
2	Obsolete	☐	☐	Affects Non-Critical Public Services	Med	☐	☐

Comments
Oracle 9i

Application
LIMS

Primary Server(s)
LIVBZMLAB004
LIVPRD1

Backup Server(s)

Non-Agency Hosts

Type
Database

Division
Diagnostic Lab

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
25	Obsolete	☐	☐	Affects Public Safety and Health	High	☐	☐

Comments
Is in Oracle 9i database on LIVPRD1 with ITSD Writeen using Oracle Forms and Reports 6i

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Invalid or incomplete Server/Host data

Application
Meat Licensing and Inspection System

Primary Server(s)
LIVHELENA
LIVPRD

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Meat Inspection

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
4	New	☐	☐	Affects Non-Critical Public Services	High	☐	☐

Comments
Includes Inspections and labeling

Application
Milk Control System

Primary Server(s)
LIVHELENA
LIVPRD1

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Milk Control

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
3	Declining	☐	☐	Affects Non-Critical Public Services	Med	☐	☐

Comments
Oracle 9i

Application
Milk Licensing/SV30 Testing System

Primary Server(s)
LIVHELENA
LIVBZMLAB004
LIVPRD1

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Milk & Egg

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
7	Obsolete	☐	☐	Affects Public Safety and Health	High	☐	☐

Comments
Is in Oracle data on LIVPRD1 with ITSD

Application
Register Head Count System

Primary Server(s)
LIVHELENA

Backup Server(s)

Non-Agency Hosts

Type
Database

Division
Brands Enforcement

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
3	**Obsolete**	☐	☐	**Affects Non-Critical Public Services**	**Med**	☐	☐

Comments
Will be rewritten to Oracle

Application	Primary Server(s)	Backup Server(s)	Non-Agency Hosts
Shipper Owner System	**LIVHELENA**		

Type
Database

Division
Animal Health

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
16	**Obsolete**	☐	☐	**Affects Non-Critical Public Services**	**High**	☐	☐

Comments
Currently in 2 year process of being replaced with an off the shelf product.

Invalid or incomplete Server/Host data

Application	Primary Server(s)	Backup Server(s)	Non-Agency Hosts
USAHerds	**USAHerds SQL Server svcalt**		**ITSD-DOA**

Type
Database

Division
Animal Health

Users	Age	Public Access	Web Access	State Critical	Agency Critical	BIA	Disaster Plan
12	**New**	☐	☑	**Affects Non-Critical Public Services**	**High**	☐	☐

Comments

Application
**Veterinary Animal Disease Reporting
System**

Primary Server(s)
**LIVHELENA
LIVPRD1**

Backup Server(s)

Non-Agency Hosts
ITSD-DOA

Type
Database

Division
Animal Health

Users
5

Age
Obsolete

Public
Access
☐

Web
Access
☐

State
Critical
Affects Public Safety and Health

Agency
Critical
Med

BIA
☐

Disaster
Plan
☐

Comments
Oracle 9i

AGENCY INVENTORY INFORMATION

Fiscal Year	PC's Purchased	PC's Retired	PC's In-service	Laptops Purchased	Laptops Retired	Laptops In-service
2005	0	3	62	4	2	8
2006	16	16	62	1	1	8
2007	0	0	0	0	0	0
2008	11	11	74	1	0	9
2009	17	18	73	2	0	11
2010	8	8	73	14	2	14
2011	0	0	73	0	0	0
2012	9	9	73	1	1	14

| 2013 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 |